

ABSTRACT

The appraisal of resource is obtained through calculation and analysis of detail exploration data in form of drilling data. The appraisal of resource is done to find out the appraisal of tonnage numbers of coal face resource and furthermore will be done the calculation of resource on the land. The mapping area is located in concession area of PT. GADING LESTARI with the landmass of 88 hectare, located in Sukomulyo and Semoi Dua village, Sepaku sub district, Panajam Paser Utama Region, East Kalimantan Province.

The aim of resource and reserve calculation is to determine the amount of precipitation that is accountable for exploitation of graving material commercially. Of the data and result of calculation can be obtained prospected area and have well coal face potential or suitable to conduct continuous research, as detail topography mapping, grilling to find out coal face reserve, conduct appropriateness study, and mine planning.

The utilized method in this research is field observation using reserve appraisal method, which is Poligon and Triagonal Grouping methods, in which Triagonal Grouping has two orientations, soft and rough orientation.

The obtained conclusion using Poligon method is 63.941tons, and Triagonal Grouping method in soft orientation is 63.559tons, for rough method is 63.777 ton. In the calculation method, it has been calculated the correction factor.

Based on appraisal result of coal face resource using Poligon and Triagonal Grouping method ultimately have different calculation result. Since Poligon Method uses slices, whether Triagonal Grouping method uses influence area.